

### AMENDMENTS TO THE CLAIMS

The following Listing of Claims replaces previous claims and listings of claims in the application.

#### LISTING OF CLAIMS

Claims 1-10 (CANCELED)

11. (TWICE AMENDED) A device comprising:

a PDMS body having a fluid pathway arranged to permit flow of a fluid in a first direction therethrough; and a light input part arranged to accept input light and permit the input light to travel into said PDMS body and through said fluid pathway in a second direction opposite of the first direction; and

a silica window embedded in said light input part and directing the input light to travel in said second direction through a specific portion of said fluid pathway.

12. (CANCELED) The device of claim 11, further comprising a light manipulating part operable to manipulate the input light to travel through a specific portion of said fluid pathway.

13. (TWICE AMENDED) A device comprising:

a PDMS body comprising a first material and having a fluid pathway arranged to permit flow of a fluid in a first direction therethrough;

a light input part on said body and comprising a second material, said light input part being arranged to accept input light and permit the input light to travel into said body and through said fluid pathway in a second direction opposite of the first direction, and